



**PIPER RUDNICK
GRAYCARY**



DLA Piper Rudnick Gray Cary US LLP
4365 Executive Drive, Suite 1100
San Diego, California 92121-2133
O 858.677.1456
F 858.677.1465
W www.dlapiper.com

April 13, 2005
VIA FACSIMILE & AIRMAIL

OUR FILE NO. 352111-2 (Formerly 2102595-2)

Hatsushi Shimizu, Ph.D.
Shimizu Patent Office
6th Fl., Kantetsu Tsukuba-Science-City Bldg.
1-1-1, Oroshi-machi, Tsuchiura, Ibaraki,
JAPAN 300-0847

Re: United States Patent Application No. 09/787,181
Entitled: SAPONIN-CONTAINING VACCINE PREPARATION
Filed: October 16, 2001
Inventors: Yamada et al.
Your Ref.: K4-001PCT-US
Our Docket No.: SHIM1110

Dear Dr. Shimizu:

Enclosed is a copy for your file of the Supplemental Response to Office Action mailed October 27, 2004 for the above identified application. The Supplemental Response was filed on April 13, 2005 with the U.S. Patent and Trademark Office.

If you have any questions or if we can provide further information, please do not hesitate to call.

Very truly yours,

DLA Piper Rudnick Gray Cary US LLP

Lisa A. Haile, J.D., Ph.D.
Attorney
lisa.haile@dlapiper.com

Admitted to practice in California

LAH/VR:lej

Enclosures



PATENT
ATTORNEY DOCKET NO.: SHIM1110

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yamada et al Art Unit: 1648
Application No.: 09/787,181 Examiner: Stacy Brown Chen
Filed: October 16, 2001
Title: SAPONIN-CONTAINING VACCINE PREPARATION

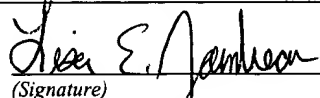
Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL SHEET

Sir:

Transmitted herewith for the above-identified application, please find:

1. Supplemental Response to Office Action mailed October 27, 2004 (5 pages);
2. Return postcard.

CERTIFICATION UNDER 37 CFR §1.8	
I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, April 13, 2005 , in an envelope addressed to: Mail Stop: Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.	
Lisa E. Jambeau (Name of Person Mailing Paper)	
 (Signature)	April 13, 2005 (Date)

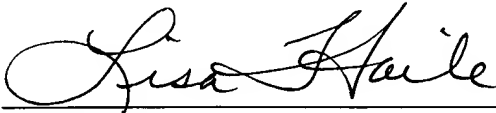
In the Application of:
Yamada et al.
Application No.: 09/787,181
Filed: October 16, 2001
Page 2

PATENT
Attorney Docket No. SHIM1110

No fee deemed necessary in connection with the filings of this document. However, the Commissioner is hereby authorized to charge any additional fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 07-1896. A copy of the transmittal is enclosed.

Respectfully submitted,

Date: April 13, 2005



Lisa A. Haile, J.D., Ph.D.
Registration No. 38,347
Telephone: (858) 677-1456
Facsimile: (858) 677-1465

DLA PIPER RUDNICK GRAY CARY US LLP
4365 Executive Drive, Suite 1600
San Diego, California 92121-2189
USPTO CUSTOMER No. 28213



PATENT
ATTORNEY DOCKET NO.: SHIM1110

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

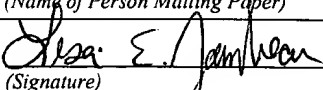
Applicants: Yamada et al. Art Unit: 1648
Application No.: 09/787,181 Examiner: Stacy Brown Chen
Filed: October 16, 2001 Confirmation No. 6530
Title: SAPONIN-CONTAINING VACCINE PREPARATION

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL RESPONSE TO THE OFFICE ACTION

Sir:

In addition to the amendment filed on March 25, 2005, which was filed in response to the Office Action mailed October 27, 2004, entry of the following supplemental amendments are respectfully requested.

CERTIFICATION UNDER 37 CFR §1.8	
I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, April 13, 2005 , in an envelope addressed to: Mail Stop: Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.	
Lisa E. Jambeau (Name of Person Mailing Paper)	
 (Signature)	April 13, 2005 (Date)